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CS135-46
Shirt Sizes, (Exclusive of Work Shirts)

U. S. DEPARTMENT OF COMMERCE
HENRY A. WALLACE, Secretary

NATIONAL BUREAU OF STANDARDS
GORDON B. LORAN, Director

WITHDRAWN

DO NOT REMOVE FROM OFFICE

MEN'S SHIRT SIZES

(Exclusive of Work Shirts)

COMMERCIAL STANDARD CS135-46

Effective Date for New Production From July 15, 1946



**A RECORDED VOLUNTARY STANDARD
OF THE TRADE**

*This commercial standard was withdrawn
by the Department of Commerce 10/23/73*

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1946

★229★

★229★ AMERICAN APPAREL CONTRACTORS ASSOCIATION (AACA)
 PO Box 720693 Phone: (404)843-3171
 Atlanta, GA 30358 Sue C. Strickland, Dir.
Founded: 1980. **Members:** 345. **Staff:** 3. **Budget:** \$250,000. **State Groups:** 3. Apparel contractors, manufacturers, and suppliers of goods and services to the industry. Conducts semiannual educational seminar and roundtables; provides engineering consultation and supervisory training; offers placement service, domestic sourcing programs, and group insurance plans. **Computerized Services:** Data base on contractors, employees, and machinery. **Telecommunications Services:** Fax, (404)256-5380. **Committees:** Education; Social; Sourcing; Technical Support. **Formerly:** (1985) Southern Apparel Contractors Association; (1986) American Apparel Producers Association.

Publications: *AACA News*, monthly. **Circulation:** 345. **Advertising:** not accepted. ● *Guide to Sourcing American Made Apparel*, annual. Directory indexed by type of apparel produced and by services provided. **Price:** \$97.50. **Circulation:** 2000. **Advertising:** accepted.

Convention/Meeting: semiannual.

★230★ AMERICAN APPAREL MANUFACTURERS ASSOCIATION (AAMA)
 2500 Wilson Blvd., Ste. 301 Phone: (703)524-1864
 Arlington, VA 22201 G. Stewart Boswell, Pres.
Founded: 1962. **Members:** 815. **Staff:** 21. Manufacturers (434) of infants', children's, boys', girls', juniors', men's, and women's wearing apparel; associate members (381) are suppliers of fabrics, equipment, accessories, and services to the apparel industry. Conducts seminars. Operates the Apparel Foundation; offers placement service through newsletter. Bestows awards; compiles statistics. **Telecommunications Services:** Fax, (703)522-6741. **Committees:** Apparel Contractor Relations; Apparel Political Education; Apparel Quality; Apparel Research; Consumer Affairs; Education; Factory Outlet Stores; Financial Management; Government Contracts; Human Resources; International; Investment/Pension; Legal; Management Systems; Marketing; Technical Advisory; Trade Policy; Transportation and Distribution. **Councils:** Intimate Apparel. **Divisions:** American Apparel Education Foundation; Boys and Young Men's Apparel Manufacturers Association (see separate entry); Children's Sleepwear; Down Apparel; National Outerwear and Sportswear Association (see separate entry); Southwest Apparel Manufacturers Association; Swimwear Industry Manufacturers Association; Western. **Absorbed:** (1965) Pacific Coast Garment Manufacturers Association; Textile Merchants and Associated Industries of Chicago; Textile Merchants and Associated Industries of St. Louis; (1971) Corset and Brassiere Association of America; (1971) Lingerie Industry Council; (1974) New England Rainwear Manufacturers Association. **Formed By Merger Of:** Southern Garment Manufacturers Association (founded 1933) and National Association of Shirt, Pajama and Sportswear Manufacturers (founded 1936 and formerly National Association of Shirt and Pajama Manufacturers).

Publications: *AAMA Directory of Members and Associate Members*, annual.
 ● *AAMA Newsletter*, monthly. ● *Apparel College Directory*, biennial.
 ● *Apparel Factory Outlet Stores Survey*, annual. ● *Apparel Import Digest*, annual. ● *Apparel Plant Wages Survey*, annual. ● *Apparel Research Notes*, periodic. ● *Apparel Sales/Marketing Compensation Survey*, annual. ● *Committee Manual*, annual. ● *Consumer Affairs Newsletter*, periodic. ● *Economic Profile*, annual. ● *Personnel Policy Survey*, biennial. ● *Technical Advisory Committee Bulletin*, periodic. ● *Technical Advisory Committee Research Paper*, annual. ● *Washington Letter*, every three weeks.

Convention/Meeting: annual - always Atlanta, GA. 1992 Sept. 14-18. Also holds annual meeting - always spring.

Y909 LIFE
U. S. DEPARTMENT OF COMMERCE

NATIONAL BUREAU OF STANDARDS

PROMULGATION

COMMERCIAL STANDARD CS135-46

for

MEN'S SHIRT SIZES

(Exclusive of Work Shirts)

On March 2, 1932, a general conference of manufacturers, distributors, and users adopted a recommended commercial standard for men's shirts (exclusive of work shirts). This recommended commercial standard was not officially accepted, but was made available for distribution upon request. The standing committee reviewed subsequent comment, and prepared a revised draft, which was circulated for written acceptance on October 28, 1938. This draft was accepted by a large portion of the trade. After further review and consideration, a sufficient number of signed acceptances were received from manufacturers, distributors, and users to justify promulgation by the United States Department of Commerce, through the National Bureau of Standards.

The standard is effective for new production from July 15, 1946.

Promulgation recommended.

F. W. Reynolds,

Acting Chief, Division of Trade Standards.

Promulgated.

E. U. Condon,

Director, National Bureau of Standards.

Promulgation approved.

Henry A. Wallace,

Secretary of Commerce.

II

MEN'S SHIRT SIZES
(Exclusive of Work Shirts)

COMMERCIAL STANDARD CS135-46

PURPOSE

1. The purpose is to provide standard methods of measuring and standard minimum measurements for the guidance of producers, distributors, and users, in order to eliminate confusion resulting from a diversity of measurements and methods and to provide a uniform basis for guaranteeing full size.

SCOPE

2. The garments covered in this commercial standard are men's shirts, exclusive of work shirts, whether made of shrunk or unshrunk¹ material. The standard covers methods of measuring and minimum measurements for neckband, chest, front length, back length, armholes, and sleeve width of shirts in sizes 14 to 17, inclusive.

APPLICATION

3. The methods and measurements given herein are applicable to finished shirts as delivered by the manufacturer.

GENERAL REQUIREMENTS

4. *Method of measuring.*—The shirt to be measured shall be laid out without tension on a smooth, flat surface so that there will be no creases or wrinkles to affect the measurements.

5. *Accuracy.*—Measurements shall be taken to the nearest one-eighth of an inch.

METHODS OF MEASURING

6. *Neckband—length.*—Measured from outside end of one buttonhole inside of bar, to center of other buttonhole, with neckband laid out flat. (A, fig. 1.)

7. *Collarband on attached collar shirts—length.*—Measured from outside end of buttonhole inside of bar, to center of button, with collar laid out flat. (A, fig. 1.)

8. *Chest.*—Measured around buttoned-up garment at bottom of the armhole. (B, fig. 2.)

¹ It is recognized that many shirts made of unshrunk fabrics normally include little or no allowance for shrinkage. Therefore, in buying unshrunk shirts, the consumer should obtain a larger size or assurance that proper shrinkage allowance has been made.

9. *Front and back—length.*—Measured from the highest point of the yoke to the bottom of the shirt. (C and D, fig. 2.)

10. *Armholes, around.*—Measured along seam around sleeve at shoulder. (E, fig. 2.)

11. *Sleeves, around.*—Measured around sleeve at a point one-half way between the top of cuff and shoulder seam. (F, fig. 2.)

12. *Sleeve, length.*—Measured from center of yoke at bottom of neckband to end of the cuff. (G, fig. 2.)

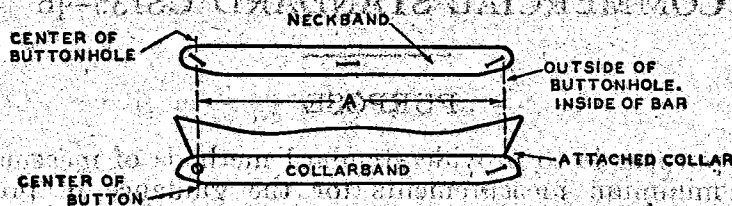


FIGURE 1.—Neckband and collarband.

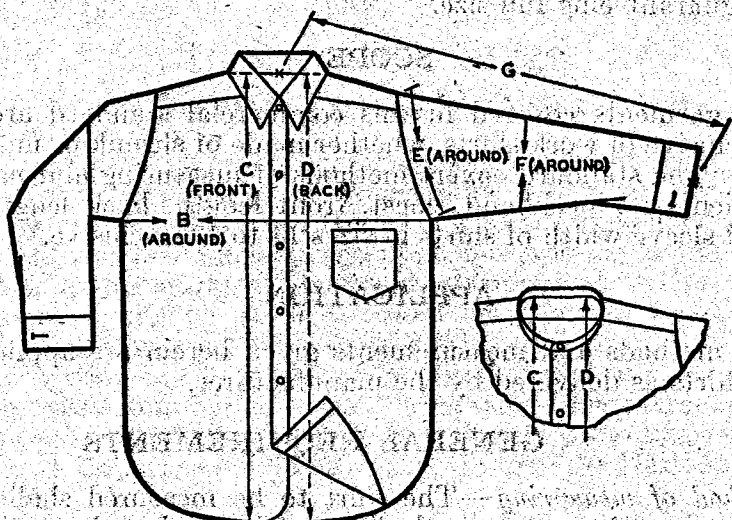


FIGURE 2.—Men's shirt.

MINIMUM MEASUREMENTS

13. Standard minimum measurements for men's shirts (exclusive of work shirts) are shown in table 1.

TABLE 1.—Standard minimum measurements in inches for men's shirts (exclusive of work shirts)

Location	Stamped neckband sizes						
	14	14½	15	15½	16	16½	17
Chest, total circumference.....(B)	42	44	46	48	50	52	54
Front, length of.....(C)	33	33	33	33	33	33	33
Back, length of.....(D)	33	33	33	33	33	33	33
Armholes, around.....(E)	19½	20	20½	21	21½	22	22½
Sleeves, around.....(F)	14½	15½	16½	16½	16½	17½	17½

LABELING

14. In order to assure the consumer that he is receiving garments that comply with standard measurements, it is recommended that men's shirts manufactured to conform to such standards be identified by a sticker, tag, or other label attached to the garment and carrying the following statement:

The manufacturer guarantees this garment to have been made to measurements which are in accordance with Commercial Standard CS135-46, as issued by the National Bureau of Standards of the United States Department of Commerce.

Or more briefly,

Conforms to CS135-46.

EFFECTIVE DATE

15. The standard is effective for new production from July 15, 1946.

STANDING COMMITTEE

16. The following individuals comprise the membership of the standing committee, which is to review, prior to circulation for acceptance, revisions proposed to keep the standard abreast of progress. Each organization nominated its own representative. Comment concerning the standard and suggestions for revision may be addressed to any member of the committee or to the Division of Trade Standards, National Bureau of Standards, which acts as secretary for the committee.

M. E. ROWAN, (chairman), Elder Manufacturing Co., Thirteenth and Lucas Streets, St. Louis, Mo.

SEYMOUR J. PHILLIPS, Phillips-Jones Corporation, 1225 Broadway at Thirtieth Street, New York, N. Y.

BARNEY S. STRAUSS, Reliance Mfg. Co., 212 W. Monroe Street, Chicago, Ill.

MAX J. LOVELL, National Association of Shirt and Pajama Mfrs., 276 Fifth Avenue, New York, N. Y.

JOHN C. TURRELL, Cluett, Peabody & Co., 40 Worth Street, New York, N. Y.

HENRY MATTER, Wholesale Dry Goods Institute, 40 Worth Street, New York, N. Y.

LOUIS ROTHSCHILD, National Association of Retail Clothiers and Furnishers, Washington Loan & Trust Bldg., Washington, D. C.

LOUIS GUTTERMAN, Knickerbocker Haberdasher, Inc., 12 East Forty-Second Street, New York, N. Y.

T. L. BLANKE, National Retail Dry Goods Association, 100 West Thirty-first Street, New York, N. Y.

GROVER YEAGER, W. T. Grant Co., 1441 Broadway, New York 18, N. Y. (Representing Limited Price Variety Stores Association.)

CLARICE L. SCOTT, c/o Division of Textiles and Clothing, Bureau of Human Nutrition and Home Economics, Washington 25, D. C. (Representing American Home Economics Association.)

MRS. ERNEST H. DANIEL, Broad Branch and Grant Roads, N. W., Washington, D. C. (Representing General Federation of Women's Clubs.)

MRS. CHARLOTTE PAYNE, National Council of Women of the United States, 501 Madison Avenue, New York 22, N. Y.

MRS. MARGARET H. KINGSBURY, U. S. Department of the Interior, Washington 25, D. C.

HISTORY OF PROJECT

17. On December 7, 1931, the National Association of Shirt Manufacturers requested the cooperation of the National Bureau of Standards looking to the adoption of standard minimum measurements for men's shirts. (exclusive of work shirts).

18. On January 27, 1932, a preliminary conference of manufacturers was held in New York to consider the tentative draft of a specification for these garments. Following adoption of the revised draft, the meeting voted to hold a general conference on March 2, 1932.

19. Accordingly, on that date a general conference of manufacturers, distributors, and users was held in Chicago to consider the draft approved by the preliminary conference. Following a review of the specification, the conference recommended that it be circulated to the trade for written acceptance, which was done on March 17, 1932. Although a sufficient number of acceptances were not received to justify its promulgation as a commercial standard, it was made available for distribution upon request.

20. In the meantime, the standing committee selected by the general conference reviewed all subsequent comment and suggestions with a view to making the recommended standard generally acceptable to all concerned. Accordingly, on October 28, 1938, a revised draft of the Recommended Commercial Standard was circulated for written acceptance. Manufacturers representing a large percentage of the production volume of the industry signed acceptances at that time. Further review and consideration was indicated, however, with the result that in due course, the industry submitted a sufficient number of additional acceptances to justify its promulgation by the United States Department of Commerce, through the National Bureau of Standards.

21. An announcement was issued on May 15, 1946 that the standard would become effective for new production from July 15, 1946.

WITHDRAWN

CS135-46

ACCEPTANCE OF COMMERCIAL STANDARD

If acceptance has not previously been filed, this sheet properly filled in, signed, and returned will provide for the recording of your organization as an acceptor of this commercial standard.

Date _____

Division of Trade Standards,
National Bureau of Standards,
Washington 25, D. C.

Gentlemen:

We believe that the Commercial Standard CS135-46 constitutes a useful standard of practice, and we individually plan to utilize it as far as practicable in the

production¹ distribution¹ purchase¹ testing¹
of men's shirts (exclusive of work shirts).

We reserve the right to depart from it as we deem advisable.

We understand, of course, that only those articles which actually comply with the standard in all respects can be identified or labeled as conforming thereto.

Signature of authorized officer _____

(In ink)

(Kindly typewrite or print the following lines)

Name and title of above officer _____

Organization _____

(Fill in exactly as it should be listed)

Street address _____

City, Zone, and State _____

¹ Underscore which one. Please see that separate acceptances are filed for all subsidiary companies and affiliates which should be listed separately as acceptors. In the case of related interests, trade associations, trade papers, etc., desiring to record their general support, the words "General Support" should be added after the signature.

TO THE ACCEPTOR

The following statements answer the usual questions arising in connection with the acceptance and its significance:

1. *Enforcement.*—Commercial standards are commodity specifications voluntarily established by mutual consent of those concerned. They present a common basis of understanding between the producer, distributor, and consumer and should not be confused with any plan of governmental regulation or control. The United States Department of Commerce has no regulatory power in the enforcement of their provisions, but since they represent the will of the interested groups as a whole, their provisions through usage soon become established as trade customs, and are made effective through incorporation into sales contracts by means of labels, invoices and the like.

2. *The acceptor's responsibility.*—The purpose of commercial standards is to establish for specific commodities, nationally recognized grades or consumer criteria and the benefits therefrom will be measurable in direct proportion to their general recognition and actual use. Instances will occur when it may be necessary to deviate from the standard and the signing of an acceptance does not preclude such departures. However, such signature indicates an intention to follow the commercial standard, where practicable, in the production, distribution, or consumption of the article in question.

3. *The Department's responsibility.*—The major function performed by the Department of Commerce in the voluntary establishment of commercial standards on a Nation-wide basis is fourfold: first, to act as an unbiased coordinator to bring all interested parties together for the mutually satisfactory adjustment of trade standards; second, to supply such assistance and advice as past experience with similar programs may suggest; third, to canvass and record the extent of acceptance and adherence to the standard on the part of producers, distributors, and users; and fourth, after acceptance, to publish and promulgate the standard for the information and guidance of buyers and sellers of the commodity.

4. *Announcement and promulgation.*—When the standard has been endorsed by a satisfactory majority of production or consumption in the absence of active, valid opposition, the success of the project is announced. If, however, in the opinion of the standing committee or the Department of Commerce, the support of any standard is inadequate, the right is reserved to withhold promulgation and publication.

ACCEPTORS

22. The organizations listed below have individually accepted this standard for use as far as practicable in the production, distribution, testing or purchase of men's shirts (exclusive of work shirts). In accepting the standard they reserved the right to depart therefrom as they individually deem advisable. It is expected that articles which actually comply with the requirements of this standard in all respects will be regularly identified or labeled as conforming thereto, and that purchasers will require such specific evidence of conformity.

ASSOCIATIONS (GENERAL SUPPORT)

American Home Economics Association, Washington, D. C.
Harvard Cooperative Society, Inc., Cambridge, Mass.
Independent Wholesale Dry Goods Association, Inc., New York, N. Y.
Intermountain Consumers' Service, Inc., Denver, Colo.
National Association of College Stores, Chicago, Ill.
National Association of Retail Clothiers & Furnishers, Washington, D. C.
National Association of Shirt & Pajama Manufacturers, New York, N. Y.
National Council of Women of the United States, New York, N. Y.
National Industrial Stores Association, Washington, D. C.
National Retail Dry Goods Association, New York, N. Y.
North Dakota Retail Merchants Association, Bismarck, N. Dak.
Pacific Coast Garment Manufacturers, San Francisco, Calif., and Los Angeles, Calif.
Sacramento City of Retail Merchants Association, Sacramento, Calif.

FIRMS

Abraham & Straus, Inc., Brooklyn, N. Y.
Aldens, Inc., Chicago, Ill.
Almy, Bigelow & Washburn, Inc., Salem, Mass.
Arbuthnot-Stephenson Co., Pittsburgh, Pa.
Arkwright Merchandise Corporation, New York, N. Y.
Artercraft Shirt Co., Inc., Lewistown, Pa.
Associated Dry Goods Corporation of New York, New York, N. Y.
Associated Merchandising Corporation, New York, N. Y.
Atwood Co., J. J., Upland, Calif.
Ayres & Co., L. S., Indianapolis, Ind.
Ball & Giles, Inc., Troy, N. Y.
Ball Stores, Inc., Muncie, Ind.
Barnard, Sumner & Putnam Co., Worcester, Mass.
Barnett, Inc., I. H., New York, N. Y.
Baskind & Co., Inc., New York, N. Y.
Bedford Shirt Corporation, New York, N. Y.
Beltman & Wolf, Wabash, Ind.
Belmont Shirt Co., New York, N. Y.
Berne Overall & Shirt Co., Berne, Ind. (General support).
Bernstein & Sons Shirt Corporation, New York, N. Y.
Bittner, Hunsicker & Co., Allentown, Pa.
Black Dry Goods Co., The James, Waterloo, Iowa.
Black Manufacturing Co., The, Seattle, Wash.
Blatt Co., M. E., Atlantic City, N. J.
Blue Ridge Overalls Co., Baltimore, Md.
Bon Marche, The, Seattle, Wash.
Boston Store (Hertzfeld-Phillips Co.), Milwaukee, Wis.
Bowen & Co., C. O., Pomona, Calif.
Brandeis Co., T. L., Omaha, Nebr.
Braun & Co., D., Milwaukee, Wis.
Brewster Shirt Corporation, New York, N. Y.
Broadway Department Store, Inc., Los Angeles, Calif.
Broderick Custom Shirt Maker, Albany, N. Y.
Brohard-Rainer Shirt Corporation, Cincinnati, Ohio.
Broom & Newman, New York, N. Y.
Brown Co., John A., Oklahoma City, Okla.
Brownstein-Louis Co., Los Angeles, Calif.
Bry Block Mercantile Corporation, Memphis, Tenn.
Burk & Co., Nashville, Tenn.
Cape Cod Shirt Co., Fall River, Mass.
Carson Pirls Scott & Co., Chicago, Ill.
Chapman & Co., G. C., Upper Montclair, N. J.
Chappell & Sons, Inc., C. E., Syracuse, N. Y.
Cherry's Sons, Robert, Philadelphia, Pa.
Cleland Simpson Co., Scranton, Pa.
Clifton Shirt Co., The, Cincinnati, Ohio.
Cluett Peabody & Co., Inc., Troy, N. Y.
Columbus Shirt Co., Chicago, Ill.
Connecticut State Hospital, Middletown, Conn.
Consumers Testing Laboratories, Philadelphia, Pa. (General support).
Coppin Co., Inc., John R., Covington, Ky.
Cota Wholesale Corporation, N. Adams, Mass.
Cowan & Hunt, Inc., Sault Ste. Marie, Mich.
Creery Shirt Shop, Inc., Richmond, Va.
Creighton Shirt Co., Inc., New Haven, Conn.
Crowley, Milner & Co., Detroit, Mich.
Croyden Shirt Co., New York, N. Y.
Darsey & Co., George E., Grapeland, Tex.
Deidrick Shirt & Collar, Kent, Ohio.
Dry Goods Alliance, Inc., The, New York, N. Y.
Elder Manufacturing Co., St. Louis, Mo.
Elgin Shirt Co., Inc., New York, N. Y.
Eljay Shirt Co., Philadelphia, Pa.
Emporium, The, Jackson, Miss.
Emporium, The, San Francisco, Calif.
Enro Shirt Co., Inc., The, Louisville, Ky.
Essler, Fred A., Beverly, Mass.
Fallis Bros., Ontario, Calif.
Fandel Co., St. Cloud, Minn.
Fordham Shirt Co., Inc., New York, N. Y.
Fowler's, Inc., Olen Falls, N. Y.
Frank & Seder, Pittsburgh, Pa.
Fries & Schuele Co., The, Cleveland, Ohio.
Fuhrman Bros., New York, N. Y.
Fuller Shirt Co., Inc., The, New York, N. Y.
Gable Co., The Wm. F., Altoona, Pa.
Garvin & Co., M. T., Lancaster, Pa.
Gertz, Inc., B., Jamaica, N. Y.
Gilchrist Co., Boston, Mass.
Glover Co., H. B., Dubuque, Iowa.
Goldstein-Migel Co., Waco, Tex.
Good Luck Sportswear, Boston, Mass.
Gordon & Ferguson Co., St. Paul, Minn.
Grant, Inc., Gail G., Rainesville, Ohio.
Grant Co., W. T., New York, N. Y.
Guggenheimer Corporation, C. M., Lynchburg, Va.
Haberman Corporation, Wm., New York, N. Y.
Hager & Bro., Inc., Lancaster, Pa.
Hahne & Co., Newark, N. J.
Halle Bros. Co., Canton, Ohio, and Cleveland, Ohio.
Hallmark Shirt Co., Inc., The, New York, N. Y.
Hamilton Bros., Houston, Tex.
Harris-Smith, Inc., New York, N. Y.
Hart & Son Co., Inc., L., San Jose, Calif.
Hatch Textile Research, New York, N. Y.
Heironimus Co., Inc., S. H., Roanoke, Va.
Henderson-Hoyt Co., The, Oshkosh, Wis. (General support).
Hengerer Co., The Wm., Buffalo, N. Y.
Herzberg's, Inc., Omaha, Nebr.
Hills, McLean & Haskins, Inc., Binghamton, N. Y.
Hirsch Bros. Dry Goods Co., St. Joseph, Mo.
Hirsch Shirt Corporation, Chicago, Ill.
Hirsch-Weiss Manufacturing Co., Portland, Oreg.
Holmes Co., Ltd., D. H., New Orleans, La.
Horne Co., Joseph, Pittsburgh, Pa.
Hovey Co., C. F., Boston, Mass.
Howland Dry Goods Co., Bridgeport, Conn.
Industrial By-Products & Research Co., Philadelphia, Pa.

- Iszard Co., S. F., Elmira, N. Y.
 Jacobsons, Inc., E., New York, N. Y.
 Janov Shirt Co., E., New York, N. Y.
 Johnson & Co., St. Peter, Minn.
 Johnson's Department Store, San Angelo, Tex.
 Johnston & Larimer, Inc., Wichita, Kans.
 Joslin Co., F. N., Malden, Mass.
 Kahn Department Store, Oakland, Calif.
 Kaufman Store, The, Richmond, Va.
 Kellers Daylight Department Store, Liberty, N. Y.
 Kent & Co., E. S., Dayton, Ohio.
 Klein-Norton Co., Los Angeles, Calif.
 Knickerbocker Haberdashers, Inc., New York, N. Y.
 Kuhn, Wilhelmina M., New York, N. Y.
 Kurtz, David, New York, N. Y.
 Laubach & Sons, Wm., Easton, Pa.
 Leeds College of Technology, Leeds, Yorkshire, England.
 Le Roy Shirt Co., New York, N. Y.
 Levy Brothers, Inc., Louisville, Ky.
 Lillenthal & Co., Inc., Felix, New York, N. Y.
 Lipman Wolfe & Co., Portland, Oreg.
 Lippman, Inc., B., New York, N. Y.
 Lohmann Co., The E. M., St. Paul, Minn.
 London Shirt Corporation, Montreal, Quebec, Canada.
 Long Beach, Better Business Bureau of, Long Beach, Calif.
 Long-Bell Mercantile Co., Kansas City, Mo.
 Los Angeles, City of, Los Angeles, Calif.
 Louisville, City of, Louisville, Ky.
 Lucky, Platt & Co., Poughkeepsie, N. Y.
 Lugg & Co., A. W., Knoxville, Pa.
 Lustberg Nast & Co., Inc., New York, N. Y.
 Machin Shirt Co., Los Angeles, Calif.
 Manchester, Inc., Harry S., Madison, Wis.
 Mandel Brothers, Chicago, Ill.
 Manhattan Shirt Co., The, Paterson, N. J.
 Mansbach Brothers, Inc., Washington, D. C.
 Marlboro Shirt Co., Inc., Baltimore, Md.
 Marting Bros. Co., The, Portsmouth, Ohio.
 Maxon & Co., G. W., Berlin, N. Y.
 May Co., Denver, Colo.
 McBratney's Department Store, Monrovia, Calif.
 McNeer Dillon Co., Statesville, N. C.
 Mead Co., The Chas. H., Scarsdale, N. Y.
 Mendenhall Graham Co., Duluth, Minn.
 Meyers-Arnold Co., Inc., Greenville, S. C.
 Miller & Paine, Lincoln, Nebr.
 Miller & Rhoads, Inc., Richmond, Va.
 Miller's Sons Co., Jacob, Philadelphia, Pa.
 Minnesota, University of, St. Paul, Minn. (General support).
 Missoula Mercantile Co., Missoula, Mont.
 Moore Co., Harry C., Nevada, Mo.
 Mutual Buying Syndicate, New York, N. Y.
 Myers Brothers, Springfield, Ill.
 Mylish, Mann & Drucker, Inc., Philadelphia, Pa.
 Nammis, Inc., Brooklyn, N. Y.
 Narragansett Shirt Co., New Bedford, Mass.
 Nash & Co., F. C., Pasadena, Calif.
 New Britain Shirt Co., Inc., New Britain, Conn.
 New Orleans, Inc., Better Business Bureau of, New Orleans, La. (General support).
 Newman, Inc., T. A. & L. F., Brooklyn, N. Y.
 Nirenberg & Salzman, Inc., New York, N. Y.
 Nirenberg Sons, Inc., M., New York, N. Y.
 O'Connor, Moffatt & Co., San Francisco, Calif.
 Outlet Co., The, Providence, R. I.
 Pacific Outfitting Co., Portland, Oreg.
 Parents' Magazine, New York, N. Y.
 Paris Shops, Inc., Cincinnati, Ohio. (General support).
 Parke Snow, Inc., Waltham, Mass.
 Parker Shirt Co., The, New Britain, Conn.
 Peck Co., Geo. B., Kansas City, Mo.
 Penn Garment Co., Inc., Williamsport, Pa.
 Penn Traffic Co., Johnstown, Pa.
 Penney Co., Inc., J. C., New York, N. Y.
 Pennsylvania State College, State College, Pa. (General support).
 Pennsylvania, Commonwealth of, Bureau of standards, Department of Property & Supplies, Harrisburg, Pa.
 Pennsylvania, Commonwealth of, Prison Labor Division, Department of Welfare, Philadelphia Pa. (General support).
 Perfect Neckband Co., New York, N. Y.
 Pfeifer Bros., Little Rock, Ark.
 Phillips-Jones Corporation, New York, N. Y.
 Piccadilly Shirt Co., Baltimore, Md.
 Piedmont Shirt Co., Greenville, S. C.
 Powers Dry Goods Co., Inc., Minneapolis, Minn.
 Powers Manufacturing Co., The, Waterloo, Iowa.
 Raab-Meyerhoff Co., Inc., M. H., Philadelphia, Pa.
 Radasch, Inc., Springfield, Mass.
 Read Co., The D. M., Bridgeport, Conn.
 Reade Manufacturing Co. (Division Jay & Co.), New York, N. Y.
 Reliance Manufacturing Co. (Division Alperin-Strauss Co.), New York, N. Y., and Chicago, Ill.
 Rich's, Inc., Atlanta, Ga.
 Rike Kumlir Co., The, Dayton, Ohio.
 Riverside Underwear Corporation, New York, N. Y.
 Roberts Mercantile Corporation, Woodside, L. I., N. Y.
 Roche & Roche, Inc., Louisville, Ky.
 Roos Bros., Inc., San Francisco, Calif.
 Roselle Department Store, New Brunswick, N. J.
 Rotary Shirt Co., New York, N. Y.
 Rumbaugh MacLain, Inc., Everett, Wash.
 Sage-Allen & Co., Inc., Hartford, Conn.
 San Souci Co., Inc., J. O., Providence, R. I.
 Sanger Bros., Inc., Dallas, Tex.
 Scheer Co., Leo, Evansville, Ind.
 Schiff Bros., New York, N. Y.
 Schmuckler & Son, Abraham, Philadelphia, Pa.
 Schudson, Inc., Chas., Milwaukee, Wis.
 Schunemans & Mannheimers, St. Paul, Minn.
 Schuster & Co., Inc., Ed., Milwaukee, Wis.
 Scranton Dry Goods Co., Scranton, Pa.
 Sears, Roebuck & Co., Chicago, Ill.
 Segal & Sons, M., Philadelphia, Pa.
 Sexton Manufacturing Co., Fairfield, Ill.
 Silverstein's, New Orleans, La.
 Simon Co., M. & D., Cleveland, Ohio.
 Sinsheimer & Co., Inc., M. L., New York, N. Y.
 Snell, Inc., Foster D., Brooklyn, N. Y.
 Spaida Shirt Co., Butler, Pa.
 Splendid Shirt Co., New York, N. Y.
 Stearns Co., The R. H., Boston, Mass.
 Sterling Stores Co., Inc., Little Rock, Ark.
 Stern Bros., New York, N. Y.
 Stifel Co., Geo. E., Wheeling, W. Va.
 Stock Shirt Manufacturing Co., York, Pa.
 Straus Co., Red Bank, N. J.
 Strouss-Hirshberg Co., The, Youngstown, Ohio.
 Sturm Shirt Co., Clifton, N. J.
 Superior Shirt Co., Philadelphia, Pa.
 Swartz Co., Inc., W. G., Norfolk, Va.
 Symons Dry Goods Co., Butte, Mont.
 Syndicate-Alliance Trading Co., Inc., New York, N. Y.
 Taylor Son & Co., Wm., Cleveland, Ohio.
 Texas State College for Women, Denton, Tex.
 Texas Technological College, Lubbock, Tex.
 Thalhimers, Richmond, Va.
 Thomas Shirt Co., Columbus, Ohio.
 Tupelo Garment Co., Tupelo, Miss.
 Tyson Shirt Co., Norristown, Pa.
 United States Testing Co., Inc., Hoboken, N. J. (General support).
 Unity Shirt Co., Derby, Conn.
 Unterberg & Co., Inc., L., New York, N. Y.
 Warren, Chamber of Commerce of, Warren, Ohio (General support).
 Weinstock Lubin & Co., Inc., Sacramento, Calif.
 What Cheer Shirt Co., Providence, R. I.
 White, J. B., Augusta, Ga.
 White Cloud Mercantile Co., White Cloud, Mich.
 Wickbury, Ltd., New York, N. Y.
 Wilson Brothers, Chicago, Ill.
 Wilson Shirt Co., Atlanta, Ga.
 Wirk Garment Corporation, Ligonier, Ind.
 Woodward & Lothrop, Inc., Washington, D. C.
 Zareh, Inc., Boston, Mass.
 Ziesel Brothers Co., Elkhart, Ind.

U. S. GOVERNMENT

- Interior, U. S. Department of the, Purchasing Office, Washington, D. C.
 Veterans' Administration, Washington, D. C.
 War Department, Washington, D. C.

WITHDRAWN

COMMERCIAL STANDARDS

CS No.	ITEM
0-40.	Commercial standards and their value to business (third edition).
1-42.	Clinical thermometers (third edition).
2-30.	Mopsticks.
3-40.	Stoddard solvent (third edition).
4-29.	Staple porcelain (all-clay) plumbing fixtures.
5-46.	Pipe nipples; brass, copper, steel and wrought-iron (second edition).
6-31.	Wrought-iron pipe nipples (second edition). Superseded by CS 5-46.
7-29.	Standard weight malleable iron or steel screwed unions.
8-41.	Gage blanks (third edition).
9-33.	Builders' template hardware (second edition).
10-29.	Brass pipe nipples; Superseded by CS 5-46.
11-41.	Moisture regains of cotton yarns (second edition).
12-40.	Fuel oils (fifth edition).
13-44.	Dress patterns (fourth edition).
14-43.	Boys' button-on waists, shirts, junior and sport shirts (made from woven fabrics) (third edition).
15-46.	Men's pajama sizes—woven fabrics (third edition).
16-29.	Wall paper.
17-42.	Diamond core drill fittings (third edition).
18-29.	Hickory golf shafts.
19-32.	Foundry patterns of wood (second edition).
20-42.	Staple vitreous china plumbing fixtures (third edition).
21-39.	Interchangeable ground-glass joints, stop-cocks, and stoppers (fourth edition).
22-40.	Builders' hardware (nontemplate) (second edition).
23-30.	Feldspar.
24-43.	Screw threads and tap-drill sizes.
25-30.	Special screw threads. Superseded by CS 24-43.
26-30.	Aromatic red cedar closet lining.
27-36.	Mirrors (second edition).
28-46.	Cotton fabric tents, tarpaulins and covers (second edition).
29-31.	Staple seats for water-closet bowls.
30-31.	Colors for sanitary ware.
31-38.	Wood shingles (fourth edition).
32-31.	Cotton cloth for rubber and pyroxylin coating.
33-43.	Knit underwear (exclusive of rayon) (second edition).
34-31.	Bag, case, and strap leather.
35-42.	Plywood (hardwood and eastern red cedar) (second edition).
36-33.	Fourdriner wire cloth (second edition).
37-31.	Steel bone plates and screws.
38-32.	Hospital rubber sheeting.
39-37.	Wool and part wool blankets (second edition). (Withdrawn as commercial standard, July 14, 1941).
40-32.	Surgeons' rubber gloves.
41-32.	Surgeons' latex gloves.
42-43.	Structural fiber insulating board (third edition).
43-32.	Grading of sulphonated oils.
44-32.	Apple wraps.
45-45.	Douglas fir plywood (sixth edition).
46-40.	Hosiery lengths and sizes (third edition).
47-34.	Marking of gold-filled and rolled-gold-plate articles other than watchcases.
48-40.	Domestic burners for Pennsylvania anthracite (underfeed type) (second edition).
49-34.	Chip board, laminated chip board and miscellaneous boards for bookbinding purposes.
50-34.	Binders board for bookbinding and other purposes.

CS No.	ITEM
51-35.	Marking articles made of silver in combination with gold.
52-35.	Mohair pile fabrics (100-percent mohair plain velvet, 100-percent mohair plain frieze, and 50-percent mohair plain frieze).
53-35.	Colors and finishes for cast stone.
54-35.	Mattresses for hospitals.
55-35.	Mattresses for institutions.
56-41.	Oak flooring (second edition).
57-40.	Book cloths, buckrams, and impregnated fabrics for bookbinding purposes except library bindings (second edition).
58-36.	Woven elastic fabrics for use in overalls (overall elastic webbing).
59-44.	Textiles—testing and reporting (fourth edition).
60-36.	Hardwood dimension lumber.
61-37.	Wood-slat venetian blinds.
62-38.	Colors for kitchen accessories.
63-38.	Colors for bathroom accessories.
64-37.	Walnut veneers.
65-43.	Methods of analysis and of reporting fiber composition of textile products (second edition).
66-38.	Marking of articles made wholly or in part of platinum.
67-38.	Marking articles made of karat gold.
68-38.	Liquid hypochlorite disinfectant; deodorant, and germicide.
69-38.	Pine oil disinfectant.
70-41.	Phenolic disinfectant (emulsifying type) (second edition) (published with CS71-41).
71-41.	Phenolic disinfectant (soluble type) (second edition) (published with CS70-41).
72-38.	Household insecticide (liquid spray type).
73-45.	Old growth Douglas fir standard stock doors (third edition).
74-39.	Solid hardwood wall paneling.
75-42.	Automatic mechanical draft oil burners designed for domestic installations (second edition).
76-39.	Hardwood interior trim and molding.
77-40.	Sanitary cast-iron enameled ware.
78-40.	Ground-and-polished lenses for sun glasses (second edition) (published with CS79-40).
79-40.	Blown, drawn, and dropped lenses for sun glasses (second edition) (published with CS78-40).
80-41.	Electric direction signal systems other than semaphore type for commercial and other vehicles subject to special motor vehicle laws (after market).
81-41.	Adverse-weather lamps for vehicles (after market).
82-41.	Inner-controlled spotlamps for vehicles (after market).
83-41.	Clearance, marker, and identification lamps for vehicles (after market).
84-41.	Electric tail lamps for vehicles (after market).
85-41.	Electric license-plate lamps for vehicles (after market).
86-41.	Electric stop lamps for vehicles (after market).
87-41.	Red electric warning lanterns.
88-41.	Liquid-burning flares.
89-40.	Hardwood stair treads and risers.
90-41.	(Reserved for power shovels and cranes.)
91-41.	Factory-fitted Douglas fir entrance doors.
92-41.	Cedar, cypress and redwood tank stock lumber.
93-41.	Portable electric drills (exclusive of high frequency).

CS No.	ITEM	CS No.	ITEM
94-41.	Calking lead.	113-44.	Oil-burning floor furnaces equipped with vaporizing pot-type burners.
95-41.	Lead pipe.	114-43.	Hospital sheeting for mattress protection.
96-41.	Lead traps and bends.	115-44.	Porcelain-enameled tanks for domestic use.
97-42.	Electric supplementary driving and passing lamps for vehicles (after market).	116-44.	Bituminized fibre drain and sewer pipe.
98-42.	Artists' oil paints.	117-44.	Mineral wool; blankets, blocks, insulating cement, and pipe insulation for heated industrial equipment.
99-42.	Gas floor furnaces—gravity circulating type.	118-44.	Marking of jewelry and novelties of silver.
100-44.	Porcelain-enameled steel utensils (second edition).	(E)119-45.	Dial indicators (for linear measurements).
101-43.	Flue-connected oil-burning space heaters equipped with vaporizing pot-type burners.	120-44.	Standard stock ponderosa pine doors.
102-43.	(Reserved for Diesel and fuel-oil engines).	121-45.	Women's slip sizes (woven fabrics).
103-42.	Cotton and rayon velour (jacquard and plain).	122-45.	Western hemlock plywood.
104-46.	Warm-air furnaces equipped with vaporizing pot-type oil burners (second edition).	123-45.	Grading of diamond powder.
105-43.	Mineral wool; loose granulated, or felted form, in low-temperature installations.	(E)124-45.	Master disks.
106-44.	Boys' pajama sizes (woven fabrics) (second edition).	125-45.	Prefabricated homes.
107-45.	Commercial electric-refrigeration, condensing units (second edition).	126-45.	Tank mounted air compressors.
108-43.	Treading automobile and truck tires.	127-45.	Self-contained mechanically refrigerated drinking water coolers.
109-44.	Solid-fuel-burning forced-air furnaces.	128-45.	Men's sport shirt sizes—woven fabrics (other than those marked with regular neckband sizes).
110-43.	Tire repairs—vulcanized (passenger, truck, and bus tires).	129-46.	Materials for safety wearing apparel.
111-43.	Earthenware (vitreous-glazed) plumbing fixtures.	130-46.	Color materials for art education in schools.
112-43.	Homogenous fiber wallboard.	131-46.	Industrial mineral wool products, all types—testing and reporting.
		132-46.	Hardware cloth.
		133-46.	Woven wire netting.

NOTICE.—Those interested in commercial standards with a view toward accepting them as a basis of everyday practice may secure copies of the above standards, while the supply lasts, by addressing the Division of Trade Standards, National Bureau of Standards, Washington 25, D. C.

¹ Where "(E)" precedes the CS number, it indicates an emergency commercial standard, drafted under war conditions with a view toward early revision.

DEPARTMENT OF COMMERCE
National Bureau of Standards
VOLUNTARY PRODUCT STANDARDS

**Notice of Action on Proposed
Withdrawal**

In accordance with the provisions of § 10.12 of the Department's published "Procedures for the Development of Voluntary Product Standards" (15 CFR Part 10, as amended; 35 F.R. 8349 dated May 28, 1970), notice is hereby given of the withdrawal of the 36 commercial standards (CS) and 25 simplified practice recommendations (SPR) identified below. Each of these standards has been found to be obsolete, no longer technically adequate, no longer generally acceptable to and used by the industry, inconsistent with established policy, or otherwise inappropriate, and revision is not feasible or would serve no useful purpose.

- CS 14-51 Boys' sport and dress shirt (woven fabrics) size measurements.
- CS 33-43 Knit underwear (exclusive of rayon).
- CS 56-60 Strip oak flooring.
- CS 70-41 Phenolic disinfectant (emulsifying type).
- CS 71-41 Phenolic disinfectant (soluble type).
- CS 90-58 Power cranes and shovels.
- CS 101-63 Flue-connected oil-burning space heaters and recessed heaters with vaporizing pot-type burners.
- CS 104-63 Warm-air furnaces equipped with vaporizing-type oil burners.
- CS 106-57 Boys' pajama sizes (woven fabrics).
- CS 109-44 Solid-fuel-burning forced-air furnaces.
- CS 111-43 Earthenware (vitreous-glazed) plumbing fixtures.
- CS 113-63 Oil-burning floor furnaces equipped with vaporizing pot-type burners.
- CS 128-52 Men's sport shirt sizes—woven fabrics (other than those marked with regular neckband sizes).
- CS 129-47 Materials for safety wearing apparel.
- CS 131-46 Industrial mineral wool products, all types—testing and reporting.
- CS 134-46 Cast aluminum cooking utensils (metal composition).
- ✓ CS 135-46 Men's shirt sizes (exclusive of work shirts).
- CS 145-47 Testing and rating hand-fired hot water supply boilers.
- CS 152-48 Copper naphthenate wood preservative (spray, brush, dip applications).
- CS 158-49 Model forms for girls' apparel.
- CS 165-50 Zinc naphthenate wood preservative (spray, brush, dip applications).
- CS 174-41 140-F drycleaning solvent.
- CS 177-62 Bituminous-coated metal septic tanks (residential).
- CS 178-51 Testing and rating ventilating fans (axial and propeller types).
- CS 180-52 Model forms for boys' apparel.
- CS 183-51 Boys' trouser size measurements.
- CS 185-52 Wool felt.
- CS 186-52 Boys' sport outerwear size measurements.
- CS 195-60 Warm-air furnace burner units equipped with pressure-atomizing or rotary type oil burners.
- CS 196-55 Model forms for toddlers' and children's apparel.

- CS 193-55 Infants', children's, girls' and boys' knit underwear (exclusive of rayon, acetate, and nylon).
- CS 216-58 Asphalt insulating siding.
- CS 235-61 Pressure treated wood fence posts (with oil-type preservatives).
- CS 249-62 Pressure-treated Douglas fir marine piles.
- CS 250-62 Pressure-treated southern pine marine piles.
- CS 271-65 Grading of abrasive grain for grinding wheels.
- SPR 17-47 Heavy forged hand tools.
- SPR 44-49 Boxboard thicknesses.
- SPR 60-55 Machine, carriage and lag bolts, and nuts (case quantity and gross weight).
- SPR 72-27 Solid section steel windows.
- SPR 77-45 Hickory handles.
- SPR 100-47 Welded chain.
- SPR 125-31 Waxed tissue paper.
- SPR 136-32 Flax and hemp twine.
- SPR 147-42 Wire diameters for mineral aggregate production screens.
- SPR 157-50 Steel firebox boilers and steel heating boilers (commercial and residential).
- SPR 168-37 Braided shoe laces.
- SPR 180-41 Copper conductors for building purposes.
- SPR 183-46 Brass or bronze valves (gate, globe, angle, and check).
- SPR 184-47 Iron valves (gate, globe, angle, and check).
- SPR 185-47 Pipe fittings (gray cast-iron, malleable iron, and brass or bronze).
- SPR 190-42 Stove pipe and accessories.
- SPR 198-50 Wire rope.
- SPR 207-60 Pipes, ducts and fittings for warm air heating and air-conditioning systems.
- SPR 214-55 Metal-cutting band saws (hard edge flexible back).
- SPR 220-46 Open-end and box wrenches.
- SPR 227-47 Plumbing fixture fittings and trim for housing.
- SPR 229-63 Vises (machinists' and other bench-mounted vises).
- SPR 238-50 Convectors.
- SPR 245-51 Weldless chain and chain products.
- SPR 259-56 Hexagon-head cap screws (case quantity and gross weight).

Public notice of the intention to withdraw these standards was published in the **FEDERAL REGISTER** on June 21, 1972 (37 F.R. 12248), and a 45-day period was provided for the submission of comments or objections concerning the proposed withdrawal of any of these standards. No valid objections to the withdrawal of any of these standards have been received by the National Bureau of Standards.

The effective date for the withdrawal of these standards will be 60 days after the publication of this notice. This withdrawal action terminates the authority to refer to these standards as voluntary product standards developed under the Department of Commerce Procedures.

LAWRENCE M. KUSHNER,
Acting Director.

AUGUST 18, 1972.

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DEPARTMENT OF COMMERCE

National Bureau of Standards

VOLUNTARY PRODUCT STANDARDS

Notice of Intent To Withdraw Certain Standards

In accordance with § 10.12 of the Department of Commerce Procedures for the Development of Voluntary Product Standards (15 CFR Part 10, as revised, 35 F.R. 8349 dated May 28, 1970), notice is hereby given of the Department's intent to withdraw the 62 standards identified below. It has been tentatively determined that each of these Commercial Standards (CS) and Simplified Practice Recommendations (SPR) are obsolete, no longer technically adequate, no longer generally acceptable to and used by the industry, inconsistent with established policy, or otherwise inappropriate, and revision is not feasible or would serve no useful purpose.

- CS 14-51 Boys' Sport and Dress Shirt (Woven Fabrics) Size Measurements.
- CS 33-43 Knit Underwear (Exclusive of Rayon).
- CS 56-60 Strip Oak Flooring.
- CS 70-41 Phenolic Disinfectant (Emulsifying Type).
- CS 71-41 Phenolic Disinfectant (Soluble Type).
- CS 90-58 Power Cranes and Shovels.
- CS 101-63 Flue-Connected Oil-Burning Space Heaters and Recessed Heaters with Vaporizing Pot-Type Burners.
- CS 104-63 Warm-Air Furnaces Equipped with Vaporizing-Type Oil Burners.
- CS 106-57 Boys' Pajama Sizes (Woven Fabrics).
- CS 109-44 Solid-Fuel-Burning Forced-Air Furnaces.
- CS 111-43 Earthenware (Vitreous-Glazed) Plumbing Fixtures.
- CS 113-63 Oil-Burning Floor Furnaces Equipped with Vaporizing Pot-Type Burners.
- ✓ CS 128-52 Men's Sport Shirt Sizes-Woven Fabrics (Other than Those Marked with Regular Neckband Sizes).
- CS 129-47 Materials for Safety Wearing Apparel.
- CS 131-46 Industrial Mineral Wool Products, All Types—Testing and Reporting.
- CS 134-46 Cast Aluminum Cooking Utensils (Metal Composition).
- ✓ CS 135-46 Men's Shirt Sizes (Exclusive of Work Shirts).
- CS 145-47 Testing and Rating Hand-Fired Hot Water Supply Boilers.
- CS 152-48 Copper Naphthenate Wood Preservative (Spray, Brush, Dip Applications).
- CS 158-49 Model Forms for Girls' Apparel.
- CS 165-50 Zinc Naphthenate Wood Preservative (Spray, Brush, Dip Applications).
- CS 174-41 140-F Drycleaning Solvent.
- CS 177-62 Bituminous-Coated Metal Septic Tanks (Residential).
- CS 178-51 Testing and Rating Ventilating Fans (Axial and Propeller Types).
- CS 180-52 Model Forms for Boys' Apparel.
- CS 183-51 Boys' Trouser Size Measurements.
- CS 185-52 Wool Felt.
- CS 186-52 Boys' Sport Outerwear Size Measurements.

- CS 195-60 Warm-Air Furnace Burner Units Equipped with Pressure-Atomizing or Rotary Type Oil Burners.
- CS 196-55 Model Forms for Toddlers' and Children's Apparel.
- CS 198-56 Infants', Children's, Girls' and Boys' Knit Underwear (Exclusive of Rayon, Acetate, and Nylon).
- CS 216-58 Asphalt Insulating Siding.
- CS 235-61 Pressure Treated Wood Fence Posts (With Oil-Type Preservatives).
- CS 249-62 Pressure-Treated Douglas Fir Marine Piles.
- CS 250-62 Pressure-Treated Southern Pine Marine Piles.
- CS 271-65 Grading of Abrasive Grain for Grinding Wheels.
- SPR 17-47 Heavy Forged Hand Tools.
- SPR 44-49 Boxboard Thicknesses.
- SPR 60-55 Machine, Carriage and Lag Bolts, and Nuts (Case Quantity and Gross Weight).
- SPR 72-27 Solid Section Steel Windows.
- SPR 77-45 Hickory Handles.
- SPR 100-47 Welded Chain.
- SPR 125-31 Waxed Tissue Paper.
- SPR 136-32 Flax and Hemp Twine.
- SPR 147-42 Wire Diameters for Mineral Aggregate Production Screens.
- SPR 157-50 Steel Firebox Boilers and Steel Heating Boilers (Commercial and Residential).
- SPR 163-48 Coarse Aggregates (Crushed Stone, Gravel, and Slag).
- SPR 168-37 Braided Shoe Laces.
- SPR 180-41 Copper Conductors for Building Purposes.
- SPR 183-48 Brass or Bronze Valves (Gate, Globe, Angle, and Check).
- SPR 184-47 Iron Valves (Gate, Globe, Angle, and Check).
- SPR 185-47 Pipe Fittings (Gray Cast-Iron, Malleable Iron, and Brass or Bronze).
- SPR 190-42 Stove Pipe and Accessories.
- SPR 198-50 Wire Rope.
- SPR 207-60 Pipes, Ducts, and Fittings for Warm Air Heating and Air-Conditioning Systems.
- SPR 214-55 Metal-Cutting Band Saws (Hard Edge Flexible Back).
- SPR 220-46 Open-End and Box Wrenches.
- SPR 227-47 Plumbing Fixture Fittings and Trim for Housing.
- SPR 229-63 Vises (Machinists' and Other Bench-Mounted Vises).
- SPR 238-50 Convector.
- SPR 245-51 Weldless Chain and Chain Products.
- SPR 259-56 Hexagon-Head Cap Screws (Case Quantity and Gross Weight).

Any comments or objections concerning the intended withdrawal of any of these standards should be made in writing and directed to the Office of Engineering Standards Services, National Bureau of Standards, Washington, D.C. 20234, within 45 days of the publication of this notice. The effective date of withdrawal, where appropriate, will be not less than 60 days after the final notice of withdrawal. Withdrawal action terminates the authority to refer to a published standard as a voluntary standard developed under the Department of Commerce procedures, from the effective date of the withdrawal.

Dated: June 16, 1972.

LAWRENCE M. KUSHNER,
Acting Director.

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